

WSR-88D MODIFICATION NOTE 43
(For Electronics Technicians)

- SUBJECT** : Expansion of narrowband communications ports in the RPG communications cabinet for connection of AWIPS.
- PURPOSE** : To expand narrowband communication ports at selected RPG sites.
- EQUIPMENT AFFECTED** : Radar Product Generation (RPG) Group.
- PARTS REQUIRED** : The following parts compose Kit A, for adding a Dedicated Modem to an FSP RPG; Kit C, for adding a VME Narrowband Card; Kit D, for adding a Dedicated Modem to an LPP RPG; Kit F, for adding a Modem Expansion Rack; and Kit G, for adding a Patch Panel.

Quantity in Kits: Verifying and labeling kits is suggested prior to initiating modification.

A	C	D	F	G	Nomenclature	Part Number	NSN
1	-	-	-	-	Cable Assembly	1221203-530	5995-01-387-3817
-	1	-	-	-	VME 4 to 1 Cable	1222423-302	5995-01-417-4640
-	1	-	-	-	VME Narrowband Board	1222421-204	5998-01-397-8290
1	-	1	-	-	Modem, Dedicated	1219739-202	5895-01-377-7105
1	-	1	-	-	Label, Cable (sheet)	SLSH-2015-5	7690-01-049-1770
2	-	2	-	-	Arrester, electrical	COHP-150	5920-01-390-1340
1	-	1	-	-	Tiewraps	MS3367-2-9	5975-00-156-3253
-	-	1	-	-	Cable Assembly	1222302-307	5995-01-407-2893
-	-	-	1	-	Rack W/Power Supply	80400	5975-01-389-4415
-	-	-	1	-	Locator Plate, (A2)	1214845-202	9905-01-417-1917
-	-	-	-	1	Patch Panel, Dedicated	1213826-201	5805-01-358-4488
-	-	-	-	1	Cable Assy., (22/122 W22)	1214790-304	5995-01-440-7556
-	-	-	-	1	Cable Assy., (22/122 W21)	1214789-307	5995-01-407-2894
-	-	-	-	1	Locator Plate, (A13)	1214845-213	9905-01-440-7558
-	-	-	-	1	Cable Assy., (W230)	1214868-303	5995-01-440-7552
-	-	-	-	8	Screw	MS51958-61	5305-00-059-3657
-	-	-	-	8	Washer	MS35338-138	5310-00-933-8120
-	-	-	-	8	Washer	MS15795-808	5310-00-619-1148

MOD PROCUREMENT	:	Kits will be requisitioned by the Operational Support Facility, Logistics Section, and shipped at no cost to the site from the NLSC.
SPECIAL TOOLS AND TEST EQUIPMENT REQUIRED	:	None.
TIME REQUIRED	:	4.0 staff-hours.
EFFECT ON OTHER INSTRUCTIONS	:	None.
AUTHORIZATION STATEMENT	:	The authority for this modification is OSF ECP F0009R03C1, "INSTALL ADDITIONAL NARROWBAND PORTS ON WSR-88Ds FOR ADVANCED WEATHER INTERACTIVE PROCESSING SYSTEM (AWIPS)".
VERIFICATION STATEMENT	:	This modification was successfully kit proofed at Jacksonville, Florida, on July 8, 1997.

GENERAL

This modification expands narrowband communications ports to add AWIPS at selected sites. This will involve adding a combination of a Codex Modulus 21 modem expansion rack, Codex 3263 dedicated modems, Formation VME narrowband cards, and Datapatch RJ11-12-4 patch panels. This modification must be accomplished after Build 8.0 applications software is installed in order to activate the communication ports. Activating dedicated telephone service added under this modification is the responsibility of the requesting agency.

For additional information concerning this modification note, contact the Operational Support Facility, System Support Branch, Norman, Oklahoma; phone number: (405) 366-6540 ext. 3229.

PROCEDURE

See Attachments 1 (RPG Port Expansion Procedures), 2 (RPG Modem Test Procedures), and 3 (Application Software Changes to Expansion Ports at the RPG).

EFFECTIVITY

See Attachment 5.

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REPORTING MODIFICATION

Target date for completion of this modification is 60 days after receipt of modification note and parts. Report completed modification on WS Form A-26, Engineering Management Reporting System Maintenance Record, according to instructions in EHB-4, Part 2. Use reporting code RPG. Also, record the modification number in block 17(a) as "43" (see Attachment 6 for a completed sample of WS Form A-26). Record the NSN of the kits installed in block 13b and for each kit installed, record the corresponding part information:

KIT	PART	Report in Block 18b	Report in Block 18c
A	Dedicated Modem 1219739-202	Reference Designator/Slot Location	Serial Number
C	VME Narrowband Card 1222421-204	Reference Designator/Slot Location	Serial Number
D	Dedicated Modem 1219739-202	Reference Designator/Slot Location	Serial Number
F	Modem Expansion Rack Codex Modulus 21	Reference Designator/Slot Location	Serial Number
G	Patch Panel Datapatch RJ11-12-4	Reference Designator/Slot Location	Serial Number

In addition, complete Attachment 4 and fax or mail to:

System Support Branch, Logistics Section
Operational Support Facility
3200 Marshall Ave Suite 101
Norman, Oklahoma 73072-8028

Fax number (405) 366-6553

Or mail information to Kim Hare at:

khare@osf.noaa.gov

Signed

John McNulty, Chief
Engineering Division

Signed

James D. Belville, Director
Operational Support Facility

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